

A CATALOGUE OF THE PRIMARY TYPES OF CARABIDAE
(INCL. CICINDELINAE) IN THE COLLECTIONS OF THE
UNITED STATES NATIONAL MUSEUM
OF NATURAL HISTORY (USNM) (COLEOPTERA)

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ABSTRACT

USNM Carabid types are listed together with their type-localities and status. Correct and original generic placements are indicated alphabetically. Thirty-one lectotypes are selected from syntype pairs or series. All data are computer accessible and organized for immediate update when new types are acquired by the Museum. This limited study serves as a feasibility model for computerization of the USNM insect type collections.

In anticipation of computerizing primary type data for the insect collections at the National Museum of Natural History in Washington, D.C., we have undertaken a logistics study using the ground beetles as source material. Expeditious methods must be developed for data capture, specimen handling, and data organization in the overall project because the USNM houses over 74,000 primary types of insects. Our study covers only primary types of Carabidae, excluding those of T. L. Casey which have been discussed elsewhere (Lindroth 1975; Erwin 1974; Allen 1977). The present paper provides data on all 287 primary types on hand through completion of this manuscript. Newly acquired specimens are easily listed in the data file together with their data, and up-to-date printouts of holdings are available at cost to curators and the public at large upon request.

METHODS

This paper is the result of a division of labor as follows: the junior author was responsible for recording all type label data on cards, gathering and checking literature citations, preparing initial typed draft and bibliographic cards; the senior author was responsible for the text, taxonomic decisions, problem solving, and general supervision of the project.

Taxa are listed alphabetically; where name changes have occurred taxa are cross indexed and full data given under the currently accepted name. We list the following categories of data for each type: status, sex, USNM type number, type-locality, and citation of original description. Occasionally notes are given to explain details. Where sex determination was impossible due to specimen condition or a need for dissection, we state "sex undetermined." Elevations are given in meters regardless of what is used on the specimen label; if altitudinal measurements are given in feet on labels we also recorded it.

The data given in the paper were encoded onto magnetic tape using the system developed by L. Erwin (1976). All newly acquired carabid types at the USNM are added to the data file upon arrival in order to keep the files up-to-date. The file can be assessed in various ways and listings made to suit the need of the user.

The system developed by L. Erwin (1976) was expanded in order to accommodate additional fields of data needed for type cataloguing (Figure 1). Other fields as already established (L. Erwin 1976) are also used when appropriate; however, Figure 1 gives the core data set for nearly all types in this paper.

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Fig. 1. Core data set for USNM Carabid type catalogue as expanded from L. Erwin (1976).

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LECTOTYPE DESIGNATIONS

In 31 instances during this compilation it was discovered that only co-type or syntype series existed and that no lectotype had been selected. We have done so here after analysis of the literature and survey of the syntype series. Lectotypes were designated only when it was determined that they appropriately reside in the USNM. Although many Walther Horn "co-types" are in the USNM it is best if lectotypes are chosen from the material at Eberswalde*, DDR, that is, Horn's original collection, unless Horn's published papers lead us to other action (e.g., genus *Collyris*, see below).

Acupalpus convexulus Darlington, 1934:112.

HOLOTYPE: female, USNM # 75657.

TYPE-LOCALITY: Cuba; Camagüey, Baragua.

A. straneoi Müller, 1942:70.

HOLOTYPE: sex undetermined, USNM # 73973.

TYPE-LOCALITY: Southern Rhodesia; Melssetter-District.

Adelotopus niger Notman, 1925:8.

HOLOTYPE: sex undetermined, USNM # 26168.

TYPE-LOCALITY: Australia.

Agonum babcocki Barr, 1960:52.

[See *Platynus babcocki* (Barr)]

A. gratiosum Mannerheim, 1853:142.

[See *Europhilus antiquus* Notman]

A. rubrum Barr, 1960:49.

[See *Platynus rubrum* (Barr)]

Amara decora (Notman)

(*Celia decora* Notman, 1922:101)

HOLOTYPE: male, USNM # 26592.

TYPE-LOCALITY: USA; Arizona, Sabino Canyon.

Anchonoderus unicolor Schaeffer, 1910:395.

HOLOTYPE: male, USNM # 56139.

TYPE-LOCALITY: USA; Texas, New Braunfels.

Ancystroglossus ovalipennis Reichardt, 1967:19.

HOLOTYPE: male, USNM # 69206.

TYPE-LOCALITY: Mexico; Sinaloa, Los Mochis.

Anillinus affabilis (Brues)

(*Anillus affabilis* Brues, 1902:366)

LECTOTYPE: male, USNM # 75691, here selected.

TYPE-LOCALITY: USA; Texas, Austin.

NOTE: Described from 3 specimens, only one of which was located in USNM.

A. barberi Jeannel, 1963:150.

HOLOTYPE: female, USNM # 69545.

TYPE-LOCALITY: USA; Maryland, Plummers Island.

A. dunavani Jeannel, 1963:76.

HOLOTYPE: male, USNM # 69542.

TYPE-LOCALITY: USA; South Carolina, Pickens County, Sassafras Mountains, Rocky Bottom, 4921' (1500 M).

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A. elongatus Jeannel, 1963:151.

HOLOTYPE: female, USNM #69544.

TYPE-LOCALITY: USA; North Carolina, Chapel Hill.

NOTE: Specimen in very poor condition.

A. indianae Jeannel, 1963:152.

HOLOTYPE: sex undetermined, USNM #69548.

TYPE-LOCALITY: USA; Indiana, Lawrence County.

A. longiceps Jeannel, 1963:149.

HOLOTYPE: female, USNM #69547.

TYPE-LOCALITY: USA; Tennessee, Monteagle, Crystal Cave.

A. sinuaticollis Jeannel, 1963:152.

HOLOTYPE: female, USNM #69541.

TYPE-LOCALITY: USA; Tennessee, Roane County.

A. turneri Jeannel, 1963:77.

HOLOTYPE: female, USNM #69543.

TYPE-LOCALITY: USA; Georgia, Peach County.

A. virginiae Jeannel, 1963:76.

HOLOTYPE: female, USNM #69546.

TYPE-LOCALITY: USA; Virginia, Skyland.

Anillodes sinuatus Jeannel, 1963:57.

HOLOTYPE: female, USNM #69549.

TYPE-LOCALITY: USA; Texas, Bexar County.

Anillus affabilis Brues, 1902:366.

[See *Anillinus affabilis* (Brues)]

Anisodactylus loedingi Schaeffer, 1911:114.

LECTOTYPE: male, USNM #42494, here selected.

TYPE-LOCALITY: USA; Alabama, Mobile.

NOTE: Noonan (1973) did not select a lectotype from Schaeffer's material, therefore we do so now.

A. texanus Schaeffer, 1910:404.

LECTOTYPE: male, USNM #75703.

TYPE-LOCALITY: USA; Texas, New Braunfels.

NOTE: Lectotype designated by Noonan, 1973:361.

Anisotarsus depressus Notman, 1919:236.

[See *Notiobia depressus* (Notman)]

Anophthalmus engelhardti Barber, 1928:195.

[See *Pseudanophthalmus engelhardti* (Barber)]

A. hubbardi Barber, 1928:196.

[See *Pseudanophthalmus hubbardi* (Barber)]

A. interstitialis Hubbard, 1880:52.

[See *Pseudanophthalmus interstitialis* (Hubbard)]

Apenes angustata Schwarz, 1878:354.

LECTOTYPE: male, USNM #4495, here selected.

TYPE-LOCALITY: USA; Florida, Enterprise.

NOTE: Described from 3 specimens "apparently female," but we found one to be a male and selected it as lectotype.

Apristus boldorii Straneo, 1943:84.

HOLOTYPE: female, USNM #73974.

TYPE-LOCALITY: Africa; Ethiopia (Eritrea), Dorfu.

Asaphidion alaskanum Wickham, 1919:178.

HOLOTYPE: female, USNM #22562.

TYPE-LOCALITY: USA; Alaska, Porcupine River, 15 Miles below New Rampart House.

A. yukonense Wickham, 1919:180.

HOLOTYPE: female, USNM #22563.

TYPE-LOCALITY: Canada; Yukon Territory, Yukon Crossing.

Aztecarpalus hemingi Ball, 1976:63.

HOLOTYPE: male, USNM #73500.

TYPE-LOCALITY: Mexico; Oaxaca, Microondas Sta., 0.5 Miles East Junction Routes 190 & 125, 2529 M.

A. whiteheadi Ball, 1976:66.

HOLOTYPE: male, USNM #73499.

TYPE-LOCALITY: Mexico; Oaxaca, 16.9 Miles South of Valle Nacional, 3600' (1097 M).

Bembidion dannieae Perrault (in press)

HOLOTYPE: male, USNM #73901.

TYPE-LOCALITY: Mexico; Oaxaca, Microondas Sta., 0.5 Miles East Junction Routes 190 & 125, 8300' (2529 M).

B. georgettae Perrault (in press)

HOLOTYPE: male, USNM #73902.

TYPE-LOCALITY: Mexico; Veracruz, 13.2 Miles West Ciudad Mendoza, 6600' (2011 M).

B. jamaicense Darlington, 1934:76.

HOLOTYPE: male, USNM #75334.

TYPE-LOCALITY: Greater Antilles; Jamaica.

B. kincaidi Hatch, 1950:100.

HOLOTYPE: male, USNM #75671.

TYPE-LOCALITY: USA; Washington, Mt. Baker.

B. parvulum Notman, 1922:99.

HOLOTYPE: female, USNM #26594.

TYPE-LOCALITY: USA; Washington, Mt. Rainier, Paradise Park, 6000' (1828 M).

Brachinus oaxacensis Erwin, 1970:117.

HOLOTYPE: male, USNM #74163.

TYPE-LOCALITY: Mexico; Oaxaca, 25 Miles South of Mitla.

Brachyonychus sublaevis medius Darlington, 1952:128.

HOLOTYPE: male, USNM #75706.

TYPE-LOCALITY: Lower Siam; Trang ("Trong").

Bradycellus cubanus Darlington, 1934:110.

HOLOTYPE: male, USNM #75660.

TYPE-LOCALITY: Greater Antilles; Cuba, Santa Clara, Cayamas.

Calleida tinctula Darlington, 1934:117.

HOLOTYPE: female, USNM #75439.

TYPE-LOCALITY: Greater Antilles; Cuba, Santa Clara, Cayamas.

Calophaena costaricensis Liebke, 1930:715.

LECTOTYPE: male, USNM #54406.

TYPE-LOCALITY: Costa Rica; Limon Province, Rio Reventazón, Hamburg Farm.

NOTE: Lectotype designated by Erwin, 1975:268.

C. nevermanni Liebke, 1930:714.

LECTOTYPE: male, USNM #54405.

TYPE-LOCALITY: Costa Rica; Limon Province, Las Mercedes.

NOTE: Lectotype designated by Erwin, 1975:268.

C. sexmaculata Liebke, 1930:719.

LECTOTYPE: female, USNM #54407.

TYPE-LOCALITY: Costa Rica; Limon Province, Rio Reventazón, Hamburg Farm.

NOTE: Lectotype designated by Erwin, 1975:268.

Calosoma howardi Linell, 1898:251.

HOLOTYPE: male, USNM #1311.

TYPE-LOCALITY: Galapagos Island; Duncan Island.

C. irregulare Schaeffer, 1915:235.

HOLOTYPE: male, USNM #42495.

TYPE-LOCALITY: USA; California, Siskiyou County, Castella.

C. linelli Mutchler, 1925:222.

HOLOTYPE: male, USNM #28205.

TYPE-LOCALITY: Galapagos Island; Chatham Island.

Carabus erwini Mandl, 1975:285.

HOLOTYPE: male, USNM #73019.

TYPE-LOCALITY: China; Szechuen, road to Songpan, half way between Uen Chuan Chien and Meng Tseo, 3000' (914 M).

C. kweitshauensis Mandl, 1975:279.

HOLOTYPE: female, USNM #73018.

TYPE-LOCALITY: China; Kweitshow, Shi Mon Kan.

C. quadraticollis Mandl, 1973:80.

HOLOTYPE: female, USNM #73017.

TYPE-LOCALITY: China-Tibet-Border; near Jalala Pass, 14,000-17,000' (4267-5185 M).

C. sinotibeticola Mandl, 1975:281.

HOLOTYPE: male, USNM #73016.

TYPE-LOCALITY: Tibet; Shien, near Jinfong, 13,000-14,000' (3962-4267 M).

C. wittmeri Mandl, 1975:280.

HOLOTYPE: female, USNM #73015.

TYPE-LOCALITY: China-Tibet-Border; near Jalala Pass, 14,000-17,000' (4267-5181 M).

Casnonia lengi Schaeffer 1910:395.

[See *Colliuris lengi* (Schaeffer)]

Celia decora Notman, 1922:101.

[See *Amara decora* (Notman)]

Cicindela abdominalis floridana Cartwright, 1939:364.

HOLOTYPE: male, USNM #53417.

TYPE-LOCALITY: USA; Florida, Miami.

C. angulihumerosa W. Horn, 1927:8.

HOLOTYPE: female, USNM #41842.

TYPE-LOCALITY: Philippines; Island Samar.

C. arida Davis, 1928:65.

HOLOTYPE: male, USNM #56263.

TYPE-LOCALITY: USA; California, Death Valley Junction.

NOTE: Although regarded as synonymous with *C. tranquebarica* informally by tiger beetle workers, we could not find this so stated in literature.

C. cardini Leng and Mutchler, 1916:690.

LECTOTYPE: female, USNM #20439, here selected.

TYPE-LOCALITY: Greater Antilles; Cuba, Province of Havana, Contorro.

NOTE: Described from two specimens, both of which are in the USNM. The female is in better condition than the male.

C. cazieri Vogt, 1949:6.

HOLOTYPE: male, USNM #59057.

TYPE-LOCALITY: USA; Texas, Starr County, 10 Miles North of Rio Grande City.

C. formosa pigmentosignata W. Horn, 1930:76.

LECTOTYPE: female, USNM #41843, here selected.

TYPE-LOCALITY: USA; Texas, Rosser.

NOTE: Although several syntypes exist in DEI we chose the female as lectotype in USNM because the species is American and will be studied most frequently by Americans.

C. latesignata tenuicincta Schaupp, 1884:122.

HOLOTYPE: female, USNM #1204.

TYPE-LOCALITY: USA; Colorado.

C. nanula W. Horn, 1937:57.

LECTOTYPE: male, USNM #52044, here selected.

TYPE-LOCALITY: Philippines; "Lucon" Luzon, (Laguna:Paete).

NOTE: The material upon which Horn based his species was borrowed from the USNM; we therefore selected the lectotype from material he returned. Horn labelled one specimen as "type" and we invariably choose the same.

C. nigrocoerulea subtropica Vogt, 1949:2.

HOLOTYPE: female, USNM #59055.

TYPE-LOCALITY: USA; Texas, Southwest Hidalgo County.

C. obsoleta neojunilis Vogt, 1949:4.

HOLOTYPE: male, USNM #59056.

TYPE-LOCALITY: USA; Texas, Southwest Hidalgo County, 5 Miles Southwest of Mission.

C. parowana Wickham, 1905:165.

HOLOTYPE: male, USNM #56136.

TYPE-LOCALITY: USA; Utah, Little Salt Lake near Parowan.

C. rufiventris arizonae Wickham, 1899:226.

HOLOTYPE: male, USNM #56137.

TYPE-LOCALITY: USA; Cañon of Colorado River.

NOTE: Now regarded as *Cicindela haemorrhagica arizonae*.

Clarencia papua Darlington, 1968:210.

HOLOTYPE: male, USNM #72366.

TYPE-LOCALITY: West New Guinea; Hollandia.

Clinidium allegheniense georgicum Bell and Bell, 1975:66.

HOLOTYPE: male, USNM #73195.

TYPE-LOCALITY: USA; Georgia, Cartersville.

Colliuris lengi (Schaeffer)

(*Casnonia lengi* Schaeffer, 1910:395)

HOLOTYPE: female, USNM #56140.

TYPE-LOCALITY: USA; Arizona, Nogales.

Collyris aptera pseudocontracta W. Horn, 1937:55.

LECTOTYPE: female, USNM #52042, here selected.

TYPE-LOCALITY: Peoples Republic of Vietnam; Prov. Haut Donai, Annam (Agr. Stat. of Blao), 800 M.

NOTE: See *Cicindela nanula* note.

C. biimprensa W. Horn, 1937:56.

LECTOTYPE: female, USNM #52043, here selected.

TYPE-LOCALITY: Peoples Republic of Vietnam; Prov. Haut Donai, Annam (Agr. Stat. of Blao), 800 M.

NOTE: See *Cicindela nanula* note.

C. chaudoiri rariussculpta W. Horn, 1929:4.

LECTOTYPE: female, USNM #41845, here selected.

TYPE-LOCALITY: Philippines; Island Samar.

NOTE: See *Cicindela nanula* note.

C. pseudospeciosa W. Horn, 1932:208.

LECTOTYPE: female, USNM #44156, here selected.

TYPE-LOCALITY: Philippines; Island Sibuyan.

NOTE: See *Cicindela nanula* note.

Colpodes fractilinea Darlington, 1934:96.

HOLOTYPE: male, USNM #75658.

TYPE-LOCALITY: Greater Antilles; Haiti, Diquini.

C. vagepunctatus Darlington, 1934:95.

HOLOTYPE: female, USNM #75659.

TYPE-LOCALITY: Greater Antilles; Jamaica.

Cychrus andrewsii Harris, 1839:195.

[See *Scaphinotus andrewsii* (Harris)]

C. attenuatus liguricus Straneo, 1933:113.

LECTOTYPE: male, USNM #73972, here selected.

TYPE-LOCALITY: Italy; Val Pesio, Marittime Alpi.

NOTE: Labelled as "Holotype" by Straneo but not so indicated in print.

Cyrtolaus brevispina Whitehead and Ball, 1975:608.

HOLOTYPE: male, USNM #73346.

TYPE-LOCALITY: Mexico; Chiapas, 1.5 Miles North Pueblo Nuevo, Yerba Buena Hospital, 7200' (2194 M).

C. grumifer Whitehead and Ball, 1975:612.

HOLOTYPE: male, USNM #73348.

TYPE-LOCALITY: Mexico; Chiapas, 1.5 Miles North Pueblo Nuevo, Yerba Buena Hospital, 5100-6000' (1554-1828 M).

C. ricardo Whitehead and Ball, 1975:609.

HOLOTYPE: male, USNM #73347.

TYPE-LOCALITY: Mexico; Chiapas, Volcan Tacaná, Southeast slope, 7800' (2377 M).

C. subiridescens Whitehead and Ball, 1975:607.
HOLOTYPE: male, USNM #73349.
TYPE-LOCALITY: Mexico; Chiapas, 6.6 Miles North Pueblo Nuevo, 5600' (1706 M).

Demetrida genicula Darlington, 1968:158.
HOLOTYPE: male, USNM #72368.
TYPE-LOCALITY: West New Guinea; Hollandia.

Distichus smithi Linell, 1898:254.
[See *Scarites smithi* (Linell)]

Dromius alfierii Peyerimhoff, 1926:220.
HOLOTYPE: male, USNM #75654.
TYPE-LOCALITY: Egypt; Sinai méridional: Wadi Rayig.

Duvalius bensai lombardii Straneo, 1939:106.
HOLOTYPE: male, USNM #73977.
TYPE-LOCALITY: Italy; Cave of Frassasi, near Genga.

D. jurececki lanzai Straneo, 1943:10.
HOLOTYPE: male, USNM #73978.
TYPE-LOCALITY: Italy; Coreglia Antelminelli, Cave of Fate.

Dyschirius cerberus Larson, 1968:1108.
HOLOTYPE: female, USNM #69973.
TYPE-LOCALITY: USA; Kansas, Atchison.
D. colossus Larson, 1968:1110.
HOLOTYPE: male, USNM #69974.
TYPE-LOCALITY: USA; Texas, Goose Island State Park, 9 Miles North of Rockport.

Epikastea limonae Liebke, 1936:125.
LECTOTYPE: female, USNM #54416.
TYPE-LOCALITY: Costa Rica; Limon Province, Waldeck Farm.
NOTE: Lectotype designated by Erwin, 1975:268.

Euophilus antiquus Notman, 1922:102.
HOLOTYPE: male, USNM #26591.
TYPE-LOCALITY: USA; Connecticut, Lyme.
NOTE: This species is now referred to as *Agonum gratiosum* Mann.

Evarthrus iowensis Freitag, 1969:154.
HOLOTYPE: male, USNM #69820.
TYPE-LOCALITY: USA; Iowa, Iowa City.

Galerita boliviana Reichardt, 1967:79.
HOLOTYPE: male, USNM #69203.
TYPE-LOCALITY: Bolivia; La Paz, Huachi, Rio Beni.

Harpalus alaskensis Lindroth, 1968:801.
HOLOTYPE: male, USNM #75705.
TYPE-LOCALITY: USA; Alaska, 7-15 Miles North of New Rampart House.

H. carolinae Schaeffer, 1910:402.
LECTOTYPE: male, USNM #42509, here selected.
TYPE-LOCALITY: USA; North Carolina, Black Mountains.
NOTE: Described from several specimens, most of which are in USNM.

H. huachuca Ball, 1972:193.
HOLOTYPE: male, USNM #72116.
TYPE-LOCALITY: USA; Arizona, Huachuca Mountains.

H. iripennis Schaeffer, 1910:402.
LECTOTYPE: male, USNM #42510, here selected.
TYPE-LOCALITY: USA; Texas, Brownsville.
NOTE: Schaeffer's description does not indicate the number of specimens studied; since he gave a size range it must have been more than one.

H. stephani Ball, 1972:194.
HOLOTYPE: male, USNM #72117.
TYPE-LOCALITY: USA; Arizona, Pima County, Arivaca.

Helluomorphoides praeustus floridanus Ball, 1956:80.

HOLOTYPE: male, USNM #75438.

TYPE-LOCALITY: USA; Florida, Volusia County, Ormond.

Heraldinium nevermanni Liebke, 1927:102.

[See *Otoglossa nevermanni* (Liebke)]

Horologion speokoites Valentine, 1932:3.

HOLOTYPE: male, USNM #44255.

TYPE-LOCALITY: USA; West Virginia, Maxwelton, Arbuckle's Cave.

Inna texana Schaeffer, 1910:400.

LECTOTYPE: male, USNM #42508, here selected.

TYPE-LOCALITY: USA; Texas, Brownsville, Esperanza Ranch.

NOTE: Schaeffer's description does not indicate the number of specimens studied.

Lebia arizonica Schaeffer, 1910:398.

LECTOTYPE: male, USNM #42506, here selected.

TYPE-LOCALITY: USA; Arizona, Huachuca Mountains.

NOTE: Schaeffer's description does not indicate the number of specimens studied.

L. azteca Reichardt, 1972:16.

HOLOTYPE: male, USNM #73428.

TYPE-LOCALITY: Mexico; Chiapas, 11.6 Miles South Ocozocuatla, 3200' (975 M).

L. bumeliae Schaeffer, 1910:399.

LECTOTYPE: female, USNM #42507, here selected.

TYPE-LOCALITY: USA; Texas, Brownsville.

NOTE: Schaeffer indicates he saw "a few specimens," most of which are in the USNM.

L. hexasticta Liebke, 1936:127.

LECTOTYPE: male, USNM #54418.

TYPE-LOCALITY: Costa Rica; Limon Province, Rio Reventazón, Hamburg Farm.

NOTE: Lectotype designated by Erwin, 1975:267.

L. reventazonica Liebke, 1936:127.

LECTOTYPE: male, USNM #54419.

TYPE-LOCALITY: Costa Rica; Limon Province, Rio Reventazón, Hamburg Farm.

NOTE: Lectotype designated by Erwin, 1975:267.

L. rhodopus Schwarz, 1878:354.

LECTOTYPE: male, USNM #4494, here selected.

TYPE-LOCALITY: USA; Florida, Tampa.

NOTE: Schwarz mentions two specimens in his description.

L. rufopleura Schaeffer, 1910:398.

LECTOTYPE: female, USNM #42505, here selected.

TYPE-LOCALITY: USA; Texas, Brownsville.

NOTE: Schaeffer's description does not indicate the number of specimens studied.

L. somalica Straneo, 1942:66.

HOLOTYPE: male, USNM #73970.

TYPE-LOCALITY: Somali Republic; Mogadiscio.

L. viridis subopaca Schaeffer, 1910:397.

LECTOTYPE: female, USNM #42504, here selected.

TYPE-LOCALITY: USA; Arizona, Huachuca Mountains.

NOTE: Described from a "small number of specimens."

Megacephala virginica melaena (Cartwright)

(*Tetracha virginica melaena* Cartwright, 1935:70)

HOLOTYPE: male, USNM #50765.

TYPE-LOCALITY: USA; South Carolina, Clemson College.

Micranillodes depressus Jeannel, 1963:58.

HOLOTYPE: female, USNM #69551.

TYPE-LOCALITY: USA; Texas, Travis County.

Micratopus insularis Darlington, 1934:86.

HOLOTYPE: sex undetermined, USNM #75335.

TYPE-LOCALITY: Greater Antilles; Puerto Rico, San Juan.

M. parviceps Darlington, 1934:85.

HOLOTYPE: sex undetermined, USNM #75336.

TYPE-LOCALITY: Greater Antilles; Cuba, Jatibonico.

Microlestes balli Mateu, 1974:270.

HOLOTYPE: male, USNM #72829.

TYPE-LOCALITY: Mexico; Jalisco, de Tecalitlai.

M. sinaiticus Alfieri, 1976:26.

LECTOTYPE: sex undetermined, USNM #73501, here selected.

TYPE-LOCALITY: Egypt; Sinai, Wadi El Ghedeirat.

NOTE: Described tersely from an unknown number of specimens. The specimen in USNM was labelled "type" by Alfieri.

Microtrechus barberi Jeannel, 1931:444.

[See *Trechus barberi* (Jeannel)]

Minuthodes irregularis Darlington, 1968:100.

HOLOTYPE: male, USNM #72367.

TYPE-LOCALITY: West New Guinea; Hollandia.

Neaphaenops intermedius Valentine, 1931:249.

[See *Pseudanophthalmus intermedius* (Valentine)]

Nebria kincaidi Schwarz, 1900:525.

HOLOTYPE: male, USNM #5258.

TYPE-LOCALITY: USA; Alaska, Farragut Bay.

N. schwarzi Van Dyke, 1925:116.

HOLOTYPE: male, USNM #28174.

TYPE-LOCALITY: Canada; Alberta, Banff.

NOTE: Van Dyke (1925:116) incorrectly used type number 1057; the correct type number is 28174.

N. trifaria piute Erwin and Ball, 1972:95.

HOLOTYPE: male, USNM #71976.

TYPE-LOCALITY: USA; Utah, Beaver County, 15.9 Miles West of Junction, Circleville Mountain, La Baron Lake, 9700' (2956 M).

N. trifaria tetonensis Erwin and Ball, 1972:95.

HOLOTYPE: male, USNM #71975.

TYPE-LOCALITY: USA; Wyoming, Teton National Park, South Fork of Cascade Canyon, 10,000' (3048 M).

Nomaretus hubbardi Schwarz, 1895:272.

[See *Scaphinotus hubbardi* (Schwarz)]

N. incompletus Schwarz, 1895:271.

[See *Scaphinotus incompletus* (Schwarz)]

Notiobia depressus (Notman)

(*Anisotarsus depressus* Notman, 1919:236)

LECTOTYPE: male, USNM #75704.

TYPE-LOCALITY: USA; Texas, Austin.

NOTE: Lectotype designated by Noonan, 1973:307.

Ochropisus concolor Ball, 1975:165.

HOLOTYPE: male, USNM #73429.

TYPE-LOCALITY: Mexico; Morelos, 9.1 Miles East Cuernavaca, Cañon de Lobos, 4300' (1310 M).

Odontochila divergentehamulata W. Horn, 1929:154.

LECTOTYPE: male, USNM #41844, here selected.

TYPE-LOCALITY: Bolivia; Rurrenabaque, Río Beni.

NOTE: See *Cicindela nanula* note.

Omus cupreonitens Blaisdell and Reynolds, 1917:49.

HOLOTYPE: male, USNM #21355.

TYPE-LOCALITY: USA; California, Humboldt County, shore of Humboldt Bay near Arcata.

Otoglossa nevermanni (Liebke)

(*Heraldinium nevermanni* Liebke, 1927:102)

LECTOTYPE: male, USNM #54408.

TYPE-LOCALITY: Costa Rica; Limon Province, Rio Reventazón, Hamburg Farm.

NOTE: Lectotype designated by Erwin, 1975:268.

Oxychila similis schmalzi W. Horn, 1896:337.

LECTOTYPE: female, USNM #6929, here selected.

TYPE-LOCALITY: Brasil; St. Catharina.

NOTE: This specimen, labelled "type," was sent to the USNM by Horn years ago, however the description indicates that Horn saw two specimens.

Paratachys filax (Darlington)

(*Tachys filax* Darlington, 1934:83)

HOLOTYPE: female, USNM #75338.

TYPE-LOCALITY: Cuba; Santa Clara, Cayamas.

P. paulax (Darlington)

(*Tachys paulax* Darlington, 1934:80)

HOLOTYPE: male, USNM #75337.

TYPE-LOCALITY: Cuba; Santa Clara, Cayamas.

Paussus occlusus Darlington, 1950:70.

HOLOTYPE: male, USNM #59426.

TYPE-LOCALITY: Philippine Islands; Biliran Island, North of Leyte.

Pelmatellus balli Goulet, 1974:85.

HOLOTYPE: male, USNM #73535.

TYPE-LOCALITY: Mexico; Chiapas, Volcan Tacaná, Southeast slope, 7800' (2377 M).

P. brachypterus Goulet, 1974:94.

HOLOTYPE: male, USNM #73534.

TYPE-LOCALITY: Mexico; Chiapas, Mt. Zontehuitz, near San Cristobal de las Casas, 9200' (2804 M).

P. infuscatus Goulet, 1974:90.

HOLOTYPE: male, USNM #73536.

TYPE-LOCALITY: Mexico; Oaxaca, 21.8 Miles North Juchatengo, 7100' (2164 M).

P. nubicola Goulet, 1974:93.

HOLOTYPE: male, USNM #73533.

TYPE-LOCALITY: Mexico; Chiapas, Yerba Buena Hospital, 1.5 Miles North of Pueblo Nuevo, 7200' (2194 M).

P. rotundicollis Goulet, 1974:91.

HOLOTYPE: male, USNM #73532.

TYPE-LOCALITY: Mexico; Nuevo Leon, 12.2 Miles Northwest of Galeana, Cerro de Potosi, 7200' (2194 M).

Pericompsus acon Erwin, 1974:77.

HOLOTYPE: male, USNM #75357.

TYPE-LOCALITY: Bolivia; Rio Beni, San Miguel de Huachi.

P. amygdali Erwin, 1974:66.

HOLOTYPE: female, USNM #75344.

TYPE-LOCALITY: Venezuela; Guarico State, 12.0 Kilometers South of Calabozo, Estacion Biologica de Los Llanos.

P. commotes Erwin, 1974:31.

HOLOTYPE: male, USNM #75351.

TYPE-LOCALITY: Venezuela; Guarico State, 12.0 Kilometers South of Calabozo, Estacion Biologica de Los Llanos.

P. crossodmos Erwin, 1974:35.

HOLOTYPE: male, USNM #75356.

TYPE-LOCALITY: Argentina; San Fernando.

P. dynastes Erwin, 1974:28.

HOLOTYPE: male, USNM #75348.

TYPE-LOCALITY: Venezuela; Guarico State, 12.0 Kilometers South of Calabozo, Estacion Biologica de Los Llanos.

P. gongylus Erwin, 1974:37.

HOLOTYPE: female, USNM #75345.

TYPE-LOCALITY: Mexico; Campeche, Edzna.

P. leucocarenius Erwin, 1974:34.

HOLOTYPE: male, USNM #75349.

TYPE-LOCALITY: Mexico; Veracruz, Fortin de las Flores.

P. micropegasus Erwin, 1974:75.

HOLOTYPE: female, USNM #75350.

TYPE-LOCALITY: Bolivia; Beni Province, Cosincho Region.

P. morantensis Erwin, 1974:61.

HOLOTYPE: male, USNM # 75355.

TYPE-LOCALITY: Greater Antilles; Jamaica, Morant Bay.

P. pauli Erwin, 1974:47.

HOLOTYPE: male, USNM # 75347.

TYPE-LOCALITY: Mexico; Chiapas, near Pijijiapan.

P. pegasus Erwin, 1974:75.

HOLOTYPE: male, USNM # 75343.

TYPE-LOCALITY: Bolivia; Río Beni, Huachi.

P. polychaetus Erwin, 1974:88.

HOLOTYPE: female, USNM # 75358.

TYPE-LOCALITY: Bolivia; Río Beni, Huachi.

P. prionomus Erwin, 1974:63.

HOLOTYPE: female, USNM # 75346.

TYPE-LOCALITY: Panama; Canal Zone, Barro Colorado Island.

P. sagma Erwin, 1974:45.

HOLOTYPE: male, USNM # 75354.

TYPE-LOCALITY: Mexico; Guerrero, Coyuca de Benitez, 100' (30 M).

P. silicis Erwin, 1974:51.

HOLOTYPE: female, USNM # 75352.

TYPE-LOCALITY: Honduras; Northwest Comayagua, Rio Humuya.

P. tlaloc Erwin, 1974:54.

HOLOTYPE: male, USNM # 75353.

TYPE-LOCALITY: Mexico; Sinaloa, Rio San Lorenzo, 30.6 Miles South of Culiacan on Route 15.

Perigona microps Darlington, 1934:99.

HOLOTYPE: male, USNM # 75685.

TYPE-LOCALITY: Greater Antilles; Puerto Rico, Bayamon.

Phloeoxena herculeano Ball, 1975:182.

HOLOTYPE: male, USNM # 73426.

TYPE-LOCALITY: Mexico; Chiapas, Volcan Tacaná, Southeast slope, 7800' (2377 M).

P. imitatrix Darlington, 1934:114.

HOLOTYPE: male, USNM # 75686.

TYPE-LOCALITY: Greater Antilles; Cuba, Santa Clara, Cayamas.

P. nigricollis Ball, 1975:195.

HOLOTYPE: male, USNM # 73423.

TYPE-LOCALITY: Mexico; Chiapas, San Quentin, 700' (213 M).

P. picta apicalis Ball, 1975:202.

HOLOTYPE: female, USNM # 73427.

TYPE-LOCALITY: Mexico; Oaxaca, 16.9 Miles South Valle Nacional, 3600' (1097 M).

P. schwarzi Darlington, 1934:115.

HOLOTYPE: male, USNM # 75440.

TYPE-LOCALITY: Greater Antilles; Cuba, Santa Clara, Cayamas.

Platynus babcocki (Barr)

(*Agonum babcocki* Barr, 1960:52)

HOLOTYPE: male, USNM # 75388.

TYPE-LOCALITY: USA; Texas, Sutton County, Mayfield's Cave.

P. longiceps Schaeffer, 1910:394.

LECTOTYPE: female, USNM # 42502, here selected.

TYPE-LOCALITY: USA; Arizona, Huachuca Mountains.

NOTE: Described from more than one specimen as indicated by Schaeffer's note on size variation.

P. rubrum (Barr)

(*Agonum rubrum* Barr, 1960:49)

HOLOTYPE: male, USNM # 75389.

TYPE-LOCALITY: USA; Texas, Wheeler County, Big Mouth Cave, 3 Miles North of Shamrock on left bank Red River.

Polyhirma chanleri Linell, 1895(1896):687.

HOLOTYPE: male, USNM # 16.

TYPE-LOCALITY: East Africa; Tana River.

Prothyma discretepunctata W. Horn, 1924:88.

LECTOTYPE: male, USNM #75688, here selected.

TYPE-LOCALITY: Philippines Island; Sibuyan.

NOTE: See *Cicindela nanula* note.

Psammodromius noctivagus Peyerimhoff, 1926:222.

LECTOTYPE: female, USNM #75707, here selected.

TYPE-LOCALITY: Africa; Egypt, Amrieh (Mariout).

NOTE: Described from an unknown number of specimens in the Alfieri Collection which was sent in part to the USNM recently. The specimen #75707 was labelled "type."

Pseudanophthalmus alabamae Valentine, 1932:273.

HOLOTYPE: male, USNM #44279.

TYPE-LOCALITY: USA; Alabama, Ft. Payne, Manitou Cave (1.5 Miles Southwest of Ft. Payne, at the foot of Lookout Mountain in Coosa River drainage).

P. ciliaris Valentine, 1937:95.

HOLOTYPE: male, USNM #56125.

TYPE-LOCALITY: USA; Tennessee, Clarksville, Dunbar's Cave.

P. cumberlandus Valentine, 1937:96.

HOLOTYPE: male, USNM #56124.

TYPE-LOCALITY: USA; Tennessee, Monoville, Piper Cave.

P. digitus Valentine, 1932:270.

HOLOTYPE: female, USNM #44275.

TYPE-LOCALITY: USA; Tennessee, Chattanooga, Tennessee River, Raccoon Mountain (on the South side of the Tennessee River about 5 Miles West of Chattanooga).

P. egberti Barr, 1965:49.

HOLOTYPE: male, USNM #75268.

TYPE-LOCALITY: USA; Virginia, Giles County, Starnes Cave.

P. engelhardti (Barber)

(*Anophthalmus engelhardti* Barber, 1928:195)

HOLOTYPE: male, USNM #40824.

TYPE-LOCALITY: USA; Tennessee, 6 Miles South of Cumberland Gap, Powell River, English Cave.

P. eremita barberi Jeannel, 1931:466.

HOLOTYPE: female, USNM #75689.

TYPE-LOCALITY: USA; Kentucky, Meade County, near Brandenburg, Rockhaven Cave.

P. fulleri Valentine, 1948:10.

HOLOTYPE: female, USNM #44277.

TYPE-LOCALITY: USA; Tennessee, Chattanooga, Raccoon Mountain, Tennessee Caverns.

P. fuscus Valentine, 1931:254.

HOLOTYPE: female, USNM #44266.

TYPE-LOCALITY: USA; West Virginia, Frankford, Kaufman's Cave.

P. fuscus constrictus Valentine, 1932:267.

HOLOTYPE: male, USNM #44272.

TYPE-LOCALITY: USA; West Virginia, Ronceverte, Organ Cave (2 Miles Southeast of Ronceverte, East of the Greenbrier River).

P. gracilis Valentine, 1931:253.

HOLOTYPE: female, USNM #44263.

TYPE-LOCALITY: USA; Virginia, Newport, Tommie's Cave.

P. grandis Valentine, 1931:254.

HOLOTYPE: male, USNM #44264.

TYPE-LOCALITY: USA; West Virginia, Frankford, Higginbotham's large Cave.

P. grandis elevatus Valentine, 1932:265.

HOLOTYPE: male, USNM #44269.

TYPE-LOCALITY: USA; West Virginia, Ronceverte, Organ Cave (2 Miles Southeast of Ronceverte, East of the Greenbrier River).

P. grandis orthosulcatus Valentine, 1932:265.

HOLOTYPE: female, USNM #44270.

TYPE-LOCALITY: USA; West Virginia, Greenville (East of the Greenbrier River, cave opening about 800 feet (243 M) North of the village).

P. hadenoecus Barr, 1965:53.

HOLOTYPE: male, USNM #75266.

TYPE-LOCALITY: USA; West Virginia, Pendleton County, Mystic Cave.

P. higinbothami Valentine, 1931:251.

HOLOTYPE: male, USNM #44259.

TYPE-LOCALITY: USA; West Virginia, Frankford, Higinbotham's large Cave.

P. hirsutus Valentine, 1931:252.

HOLOTYPE: male, USNM #44260.

TYPE-LOCALITY: USA; Tennessee, Cumberland Gap, King Solomon's Cave.

P. hirsutus delicatus Valentine, 1932:270.

HOLOTYPE: male, USNM #44274.

TYPE-LOCALITY: USA; Virginia, Pennington Gap, Gilly's Cave (1 Mile South of Pennington Gap, well on the side of small mountain in the watershed of Cane Creek which enters the Powell River).

P. hoffmani Barr, 1965:58.

HOLOTYPE: male, USNM #75260.

TYPE-LOCALITY: USA; Virginia, Smyth County, 6 Miles Northeast of Saltville, Buchanan Saltpeter Cave, at Ellendale.

P. holsingeri Barr, 1965:63.

HOLOTYPE: male, USNM #75261.

TYPE-LOCALITY: USA; Virginia, Lee County, Fugates Cave, at Gibson Station.

P. hortulanus Barr, 1965:59.

HOLOTYPE: male, USNM #75263.

TYPE-LOCALITY: USA; Virginia, Tazewell County, Cassells Cave, at the Northwest end of Burkes Garden.

P. hubbardi (Barber)

(*Anophthalmus hubbardi* Barber, 1928:196)

HOLOTYPE: female, USNM #40823.

TYPE-LOCALITY: USA; Virginia, Page County, Luray Cave.

P. hubbardi avernus Valentine, 1945:648.

HOLOTYPE: male, USNM #57053.

TYPE-LOCALITY: USA; Virginia, Rockingham County, Endless Caverns.

P. hubbardi parvicollis Jeannel, 1931:452.

HOLOTYPE: female, USNM #43665.

TYPE-LOCALITY: USA; Virginia, 1 Mile North of Strasburg, Battlefield Crystal Cave.

P. humeralis Valentine, 1931:253.

HOLOTYPE: male, USNM #44262.

TYPE-LOCALITY: USA; Tennessee, Monteagle, Crystal Cave.

P. humeralis brevis Valentine, 1932:273.

HOLOTYPE: male, USNM #44278.

TYPE-LOCALITY: USA; Tennessee, Monteagle, Wonder Cave (the larger of two Monteagle caves, separated by about one-fourth of a mile).

P. hypertrichosis Valentine, 1932:266.

HOLOTYPE: male, USNM #44271.

TYPE-LOCALITY: USA; West Virginia, Hillsboro, Martha Clarke Cave (2 Miles Southwest of Hillsboro).

P. illinoisensis Barr and Peck, 1966:519.

HOLOTYPE: male, USNM #75259.

TYPE-LOCALITY: USA; Illinois, Hardin County, Cave Spring Cave.

P. intermedius (Valentine)

(*Neaphaenops intermedius* Valentine, 1931:249)

LECTOTYPE: male, USNM #44256, here selected.

TYPE-LOCALITY: USA; Tennessee, Monteagle, Wonder Cave.

NOTE: Described from 4 specimens. Valentine had material from two caves "thought to be connected." He noted two males from Wonder Cave and declared it type locality but failed to select a Holotype.

P. interstitialis (Hubbard)

(*Anophthalmus interstitialis* Hubbard, 1880:52)

HOLOTYPE: female, USNM #23860.

TYPE-LOCALITY: USA; Kentucky, "Washington's Hall," Mammoth Cave.

P. jonesi Valentine, 1945:645.

HOLOTYPE: male, USNM #57052.

TYPE-LOCALITY: USA; Tennessee, Cumberland County, Saltpeter or Brady Cave, Southeast slope of Walden Ridge, Grassy Cove.

- P. krekeleri* Barr, 1965:52.
HOLOTYPE: male, USNM #75264.
TYPE-LOCALITY: USA; West Virginia, Randolph County, Rich Mountain Cave.
- P. loedingi* Valentine, 1931:252.
HOLOTYPE: male, USNM #44261.
TYPE-LOCALITY: USA; Alabama, Huntsville, Shelta Cave.
- P. loedingi aladdini* Valentine, 1945:637.
HOLOTYPE: male, USNM #57049.
TYPE-LOCALITY: USA; Alabama, Madison County, Aladdin Cave, upper end of Sharp Cove.
- P. loedingi aquaticus* Valentine, 1945:638.
HOLOTYPE: male, USNM #57050.
TYPE-LOCALITY: USA; Alabama, Madison County, Cave Spring Cave, between Troy and Keels Mountains, near Berkley.
- P. loedingi meridionalis* Valentine, 1945:639.
HOLOTYPE: male, USNM #57051.
TYPE-LOCALITY: USA; Alabama, Marshall County, "Saltpeter or Nyman Cave," 10 Miles Southwest of Gunterville.
- P. loedingi profundus* Valentine, 1945:637.
HOLOTYPE: male, USNM #57048.
TYPE-LOCALITY: USA; Alabama, Madison County, Natural Well, Monte Sano.
- P. montanus* Barr, 1965:52.
HOLOTYPE: male, USNM #75265.
TYPE-LOCALITY: USA; West Virginia, Tucker County, Bennett Cave.
- P. nelsoni* Barr, 1965:44.
HOLOTYPE: male, USNM #75270.
TYPE-LOCALITY: USA; Virginia, Alleghany County, Old Tunnel Cave.
- P. petrunkevitchi* Valentine, 1945:652.
HOLOTYPE: male, USNM #57054.
TYPE-LOCALITY: USA; Virginia, Warren County, Skyline Cavern, 2 Miles Southwest of Front Royal.
- P. pontis* Barr, 1965:45.
HOLOTYPE: male, USNM #75269.
TYPE-LOCALITY: USA; Virginia, Rockbridge County, Buck Hill Cave at Natural Bridge.
- P. potomaca* Valentine, 1932:262.
HOLOTYPE: male, USNM #44267.
TYPE-LOCALITY: USA; West Virginia, Cave, Simmons' Cave (on South branch Potomac River, 10 Miles South of Franklin, West Virginia).
- P. potomaca senecae* Valentine, 1932:263.
HOLOTYPE: male, USNM #44268.
TYPE-LOCALITY: USA; West Virginia, Seneca Caves (along the North Fork Potomac River, 4 Miles Northeast of Riverton, West Virginia).
- P. pusio bathycola* Valentine, 1932:268.
HOLOTYPE: male, USNM #44273.
TYPE-LOCALITY: USA; Virginia, Blacksburg, Aunt Nellie's Cave (on tributary of the North Fork Roanoke River, 3 Miles Southeast of Blacksburg).
- P. pusio punctatus* Valentine, 1931:250.
HOLOTYPE: male, USNM #44258.
TYPE-LOCALITY: USA; Virginia, Newport, Tommie's Cave.
- P. quadratus* Barr, 1965:60.
HOLOTYPE: male, USNM #75262.
TYPE-LOCALITY: USA; Virginia, Giles County, Strakeys Cave.
- P. robustus* Valentine, 1931:250.
HOLOTYPE: male, USNM #44257.
TYPE-LOCALITY: USA; Tennessee, Monterey, Johnson's Cave.
- P. robustus beaklei* Valentine, 1937:97.
HOLOTYPE: male, USNM #56123.
TYPE-LOCALITY: USA; Tennessee, Byrdstown, Bunkum Cave.
- P. rotundatus* Valentine, 1932:271.
HOLOTYPE: male, USNM #44276.
TYPE-LOCALITY: USA; Tennessee, English Cave.
- P. subaequalis* Valentine, 1931:255.
HOLOTYPE: male, USNM #44265.
TYPE-LOCALITY: USA; West Virginia, Frankford, Kaufman's Cave.

P. sylvaticus Barr, 1967:167.

HOLOTYPE: male, USNM #75271.

TYPE-LOCALITY: USA; West Virginia, Pocahontas County, East base of Kennison Mountain near the Cranberry Glades, 1000 M.

P. tenesensis Valentine, 1937:98.

HOLOTYPE: male, USNM #56126.

TYPE-LOCALITY: USA; Tennessee, Byington, "Grand Caverns."

P. tenuis blatchleyi Barr, 1960:316.

HOLOTYPE: male, USNM #75258.

TYPE-LOCALITY: USA; Indiana, Monroe County, Truitt's Cave.

P. vicarius Barr, 1965:48.

HOLOTYPE: male, USNM #75267.

TYPE-LOCALITY: USA; Virginia, Tazewell County, Hugh Young Cave, near Maiden Spring.

Pseudaptinus nevermanni Liebke, 1936:126.

LECTOTYPE: female, USNM #54412.

TYPE-LOCALITY: Costa Rica; Limon Province, Rio Reventazón, Hamburg Farm.

NOTE: Lectotype designated by Erwin, 1975:268.

P. schmidti Liebke, 1936:126.

LECTOTYPE: male, USNM #54413.

TYPE-LOCALITY: Costa Rica; La Caja, near San Jose.

NOTE: Lectotype designated by Erwin, 1975:268.

Pseudomorpha alutacea Notman, 1925:17.

HOLOTYPE: female, USNM #26171.

TYPE-LOCALITY: USA; New Mexico, Mesilla.

P. champlaini Notman, 1925:20.

HOLOTYPE: male, USNM #26173.

TYPE-LOCALITY: USA; Arizona, Paradise.

P. schwarzi Notman, 1925:21.

HOLOTYPE: male, USNM #26174.

TYPE-LOCALITY: USA; Arizona, Santa Rita Mountains.

P. tenebroides Notman, 1925:16.

HOLOTYPE: male, USNM #26170.

TYPE-LOCALITY: USA; Arizona, Tucson.

Pterostichus arizonicus Schaeffer, 1910:393.

HOLOTYPE: female, USNM #42500.

TYPE-LOCALITY: USA; Arizona, Tucson.

P. cochlearis Hacker, 1968:19.

HOLOTYPE: male, USNM #69601.

TYPE-LOCALITY: USA; California, Humboldt County, Weitchpec-Orick Road, 1400' (426 M).

P. elongatus Schaeffer, 1910:391.

HOLOTYPE: female, USNM #42496.

TYPE-LOCALITY: USA; Idaho, Moscou Mountains.

P. fenyasi fenderi Hacker, 1968:18.

HOLOTYPE: male, USNM #69600.

TYPE-LOCALITY: USA; California, Humboldt County, 2 Miles Northwest of Petrolia, 200' (60 M).

P. fuchsi Schaeffer, 1910:392.

HOLOTYPE: female, USNM #42501.

TYPE-LOCALITY: USA; California.

P. hatchi Hacker, 1968:31.

HOLOTYPE: male, USNM #69606.

TYPE-LOCALITY: USA; California, Calaveras County, 2 Miles Southwest of Ganns, 6500' (1981 M).

P. laevilatus Notman, 1919:231.

HOLOTYPE: female, USNM #75390.

TYPE-LOCALITY: Canada; British Columbia, Golden.

NOTE: This species is now referred to as *Pterostichus riparius* Dejean.

P. lobatus Hacker, 1968:23.

HOLOTYPE: male, USNM #69603.

TYPE-LOCALITY: USA; California, Mendocino County, 3 Miles South of Rockport, 800' (243 M).

P. marinensis Hacker, 1968:22.

HOLOTYPE: male, USNM #69602.

TYPE-LOCALITY: USA; California, Marin County, 2 Miles Northwest of Pan Toll Camp, West slope of Mount Tamalpais, 1700' (518 M).

P. mattolenis Hacker, 1968:24.

HOLOTYPE: male, USNM #69604.

TYPE-LOCALITY: USA; California, Humboldt County, 4 Miles South of Honeydew, 1500' (457 M).

P. ovicollis Schaeffer, 1910:393.

HOLOTYPE: female, USNM #42498.

TYPE-LOCALITY: USA; California.

P. palmi Schaeffer, 1910:393.

HOLOTYPE: male, USNM #42499.

TYPE-LOCALITY: USA; North Carolina.

P. pumilus willamettensis Hacker, 1968:13.

HOLOTYPE: male, USNM #69599.

TYPE-LOCALITY: USA; Oregon, Linn County, 5 Miles North of Mabel, 700' (213 M).

P. riparius Dejean, 1829:332.

[See *Pterostichus laevilatus* Notman]

P. stapedius Hacker, 1968:32.

HOLOTYPE: male, USNM #69607.

TYPE-LOCALITY: USA; California, Madera County, Beashore Meadows, 6700' (2042 M).

P. stapedius yosemitensis Hacker, 1968:34.

HOLOTYPE: male, USNM #69608.

TYPE-LOCALITY: USA; California, Tuolumne County, ½ Mile North of Crane Flat Ranger Station, 6100' (1859 M).

P. trinitensis Hacker, 1968:26.

HOLOTYPE: male, USNM #69605.

TYPE-LOCALITY: USA; California, Trinity County, 8 Miles Northwest of Zenia, 3500' (1066 M).

P. vandykei Schaeffer, 1910:392.

LECTOTYPE: female, USNM #42497, here selected.

TYPE-LOCALITY: USA; Idaho, Moscou Mountains.

NOTE: Probably described from a single specimen (cf. note on size by Schaeffer) but not so stated.

Scaphinotus andrewsii (Harris)

(*Cychrus andrewsii* Harris, 1839:195)

NEOTYPE: female, USNM #56127.

TYPE-LOCALITY: USA; North Carolina, Orange County, Chapel Hill.

NOTE: Neotype designated by Valentine, 1935:349.

Scaphinotus andrewsi barksdalei (Valentine)

(*Steniridia andrewsi barksdalei* Valentine, 1936:230)

HOLOTYPE: male, USNM #56131.

TYPE-LOCALITY: USA; North Carolina, Swain and Haywood Counties, Mt. Guyot, 3500' (1066 M).

S. andrewsi montana Valentine, 1935:350.

HOLOTYPE: male, USNM #56128.

TYPE-LOCALITY: USA; North Carolina, Avery County, Beech Mountain, 4500-5500' (1371-1676 M).

S. andrewsi nantahalae (Valentine)

(*Steniridia andrewsi nantahalae* Valentine, 1936:228)

HOLOTYPE: male, USNM #56130.

TYPE-LOCALITY: USA; North Carolina, Jackson County, Cashier's, 3500' (1066 M).

S. andrewsi parvitorsalis Valentine, 1935:354.

HOLOTYPE: male, USNM #56129.

TYPE-LOCALITY: USA; Georgia, Rabun County, Clayton, 2000-3700' (609-1127 M).

S. andrewsi saludae (Valentine)

(*Steniridia andrewsi saludae* Valentine, 1936:229)

HOLOTYPE: female, USNM #56132.

TYPE-LOCALITY: USA; North Carolina, Polk County, Melrose.

S. hubbardi (Schwarz)*(Nomaretus hubbardi* Schwarz, 1895:272)

HOLOTYPE: male, USNM #4572.

TYPE-LOCALITY: USA; North Carolina, Haywood County, near Retreat, 3000' (914 M).

S. incompletus (Schwarz)*(Nomaretus incompletus* Schwarz, 1895:271)

HOLOTYPE: female, USNM #4571.

TYPE-LOCALITY: USA; Virginia, Lee County (Cumberland Mountains), Stone Creek.

S. loedingi Valentine, 1935:364.

HOLOTYPE: male, USNM #56134.

TYPE-LOCALITY: USA; Alabama, Madison County, Monte Sano.

S. loedingi obscura Valentine, 1935:366.

HOLOTYPE: male, USNM #56135.

TYPE-LOCALITY: USA; Alabama, Randolph County, Wadley.

S. manni Wickham, 1919:170.

HOLOTYPE: male, USNM #22545.

TYPE-LOCALITY: USA; Washington, Whitman County, Wawawai.

S. violacea carolinae Valentine, 1935:358.

HOLOTYPE: male, USNM #56133.

TYPE-LOCALITY: USA; North Carolina, "Blue Ridge Mts."

S. webbi Bell, 1959:11.

HOLOTYPE: male, USNM #73630.

TYPE-LOCALITY: USA; Virginia, Campbell County, 10 Miles Southwest Lynchburg.

NOTE: The holotype is labelled differently, but the locality is identical to that given here; "16 mi n. Altaviste, VA."

Scarites galapagoensis Linell, 1898:253.

HOLOTYPE: sex undetermined, USNM #1312.

TYPE-LOCALITY: Galapagos Islands; Chatham Island.

S. smithi (Linell)*(Distichus smithi* Linell, 1898:254)

HOLOTYPE: sex undetermined, USNM #1313.

TYPE-LOCALITY: Brazil; Santarem.

Schizogenius grossus Whitehead, 1966:3.

HOLOTYPE: male, USNM #68012.

TYPE-LOCALITY: Brazil; Rio Madeira.

NOTE: This species is now referred to as *Schizogenius xanthopus* Brulle.*S. planuloides* Whitehead, 1972:241.

HOLOTYPE: male, USNM #74164.

TYPE-LOCALITY: USA; Texas, Blanco County, Cypress Mills.

S. xanthopus Brulle, 1837:39.[See *Schizogenius grossus* Whitehead]*Selenophorus concinnus* Schaeffer, 1910:403.

LECTOTYPE: female, USNM #42511, here selected.

TYPE-LOCALITY: USA; Arizona, Huachuca Mountains.

NOTE: Probably described from a single specimen (cf. note on size by Schaeffer) but not so stated.

S. discoderoides Schaeffer, 1910:404.

LECTOTYPE: male, USNM #42512, here selected.

TYPE-AREA: USA; Texas, Esperanza Ranch and Yucca Ridges, near Brownsville.

NOTE: Described from several specimens from two localities in Southern Texas. The Lectotype is labelled Esperanza Ranch, which is herewith designated Type-locality.

S. nonseriatus Darlington, 1934:109.

HOLOTYPE: male, USNM #75656.

TYPE-LOCALITY: Greater Antilles; Santo Domingo, San Francisco Mountains.

S. sinuaticollis Notman, 1922:102.

HOLOTYPE: female, USNM #26590.

TYPE-LOCALITY: USA; Arizona, Tucson.

Steniridia andrewsi barksdalei Valentine, 1936:230[See *Scaphinotus andrewsi barksdalei* (Valentine)]*S. andrewsi nantahalae* Valentine, 1936:228.[See *Scaphinotus andrewsi nantahalae* (Valentine)]

S. andrewsi saludae Valentine, 1936:229.

[See *Scaphinotus andrewsi saludae* (Valentine)]

Stenomorphus convexior Notman, 1922:103.

HOLOTYPE: female, USNM #26593.

TYPE-LOCALITY: USA; Arizona, Tucson.

S. sinaloae Darlington, 1936:37.

HOLOTYPE: male, USNM #75661.

TYPE-LOCALITY: Mexico; Sinaloa.

Tachys filax Darlington, 1934:83.

[See *Paratachys filax* (Darlington)]

T. paulax Darlington, 1934:80.

[See *Paratachys paulax* (Darlington)]

Tachyta gilloglyi Erwin, 1975:19.

HOLOTYPE: male, USNM #73589.

TYPE-LOCALITY: Republic of South Viet Nam; Cam Rahn Bay, Tiger Lake area.

Tetracha virginica melaena Cartwright, 1935:70.

[See *Megacephala virginica melaena* (Cartwright)]

Trechicomimus suturalis Ueno (in press)

HOLOTYPE: male, USNM #75670.

TYPE-LOCALITY: Chile; Arauco, San Alfonso, above Caramavida.

Trechus aduncus Barr, 1962:82.

HOLOTYPE: male, USNM #65978.

TYPE-LOCALITY: USA; North Carolina, Haywood County, Mt. Pisgah, 4800-6400' (1463-1950 M).

T. balsamensis Barr, 1962:87.

HOLOTYPE: male, USNM #65979.

TYPE-LOCALITY: USA; North Carolina, Haywood-Jackson Counties, Water Rock Knob, 6200' (1889 M).

T. barberi (Jeannel)

(*Microtrechus barberi* Jeannel, 1931:444)

HOLOTYPE: male, USNM #43664.

TYPE-LOCALITY: USA; North Carolina, Retreat, Black Mountains.

T. beutenmulleri avus Barr, 1962:72.

HOLOTYPE: male, USNM #65973.

TYPE-LOCALITY: USA; North Carolina, Avery County, Grandfather Mountain.

T. beutenmulleri canus Barr, 1962:73.

HOLOTYPE: male, USNM #65974.

TYPE-LOCALITY: USA; Virginia, Grayson County, White Top Mountain.

T. bowlingi Barr, 1962:78.

HOLOTYPE: male, USNM #65980.

TYPE-LOCALITY: USA; North Carolina, Tennessee-Swain County, Sevier County, Mt. Kephart, 4900-6600' (1493-2011 M).

T. chalybaeus brachyderus Jeannel, 1931:422.

HOLOTYPE: male, USNM #43660.

TYPE-LOCALITY: USA; Montana, Bear Paw Mountain.

T. chalybaeus coloradensis Schaeffer, 1915:48.

HOLOTYPE: male, USNM #42515.

TYPE-LOCALITY: USA; Colorado.

T. chalybaeus utahensis Schaeffer, 1915:48.

LECTOTYPE: male, USNM #75690, here selected.

TYPE-LOCALITY: USA; Southwest Utah.

NOTE: Probably described from a single specimen (cf. note on size by Schaeffer) but not so stated. The size given by Schaeffer is 15.5 mm; this must be considered a typographical error. The type is ca. 5.5 mm, but the apices of the elytra are missing.

T. coloradensis arcticollis Jeannel, 1931:428.

HOLOTYPE: male, USNM #43662.

TYPE-LOCALITY: USA; Idaho, Cedar Mountain.

T. coloradensis gravidulus Jeannel, 1931:429.

HOLOTYPE: male, USNM #43661.

TYPE-LOCALITY: USA; New Mexico.

- T. cumberlandus* Barr, 1962:76.
HOLOTYPE: male, USNM #65975.
TYPE-LOCALITY: USA; Kentucky, Wayne County, 3 Miles East of Monticello, Elisha Steele Cave.
- T. luculentus* Barr, 1962:88.
HOLOTYPE: male, USNM #65981.
TYPE-LOCALITY: USA; North Carolina, Swain County, Clingmans Dome, 6300' (1920 M).
- T. mitchellensis* Barr, 1962:75.
HOLOTYPE: male, USNM #65976.
TYPE-LOCALITY: USA; North Carolina, Yancey County, Celo Mountain.
- T. nebulosus* Barr, 1962:86.
HOLOTYPE: male, USNM #65982.
TYPE-LOCALITY: USA; Tennessee, Sevier County, Mt. Kephart, 5000-6300' (1524-1920 M).
- T. novaculosus* Barr, 1962:89.
HOLOTYPE: male, USNM #65983.
TYPE-LOCALITY: USA; North Carolina, Swain County, Clingmans Dome, 6300' (1920 M).
- T. roanicus* Barr, 1962:73.
HOLOTYPE: male, USNM #65977.
TYPE-LOCALITY: USA; Tennessee, Carter County, Roan Mountain, 6313' (1924 M).
- T. rosenbergi* Barr, 1962:89.
HOLOTYPE: male, USNM #65984.
TYPE-LOCALITY: USA; North Carolina, Haywood-Jackson Counties, Water Rock Knob, 6000' (1800 M).
- T. satanicus* Barr, 1962:81.
HOLOTYPE: male, USNM #65985.
TYPE-LOCALITY: USA; North Carolina, Haywood County, West end of Graveyard Fields near Devils Courthouse.
- T. schwarzi* Jeannel, 1931:437.
HOLOTYPE: female, USNM #43663.
TYPE-LOCALITY: USA; North Carolina, Roan High Knob, 6305' (1922 M).
- T. straneoi* Jeannel, 1931:52.
HOLOTYPE: male, USNM #73971.
TYPE-LOCALITY: Italy; Provincia di Roma, Lazio: Filettino.
- T. subtilis* Barr, 1962:80.
HOLOTYPE: male, USNM #65986.
TYPE-LOCALITY: USA; North Carolina, Haywood County, Mt. Sterling.
- T. talequah* Barr, 1962:82.
HOLOTYPE: male, USNM #65987.
TYPE-LOCALITY: USA; Tennessee, Monroe County, Haw Knob, 4800-5000' (1463-1524 M).
- T. tennesseensis tauricus* Barr, 1962:87.
HOLOTYPE: male, USNM #65988.
TYPE-LOCALITY: USA; Tennessee, Blount County, Bull Cave Sinkhole, 1800' (548 M).
- T. tennesseensis tennesseensis* Barr, 1962:87.
HOLOTYPE: male, USNM #65989.
TYPE-LOCALITY: USA; Tennessee, Roane County, Berry Cave, 840' (256 M).
- T. tonitru* Barr, 1962:79.
HOLOTYPE: male, USNM #65990.
TYPE-LOCALITY: USA; Tennessee, Blount County, Great Smoky Mountains National Park, Thunderhead, 5530' (1685 M).
- T. tuckaleechee* Barr, 1962:86.
HOLOTYPE: male, USNM #65991.
TYPE-LOCALITY: USA; Tennessee, Blount County, Tuckaleechee Caverns.
- T. uncifer* Barr, 1962:80.
HOLOTYPE: male, USNM #65992.
TYPE-LOCALITY: USA; North Carolina, Tennessee-Swain County, Sevier County, Clingmans Dome.
- T. verus* Barr, 1962:81.
HOLOTYPE: male, USNM #65993.
TYPE-LOCALITY: USA; North Carolina, Haywood County, Mt. Sterling.

Troglanillus valentinei Jeannel, 1963:148.

HOLOTYPE: male, USNM #69550.

TYPE-LOCALITY: USA; Alabama, Fort Payne, Fort-Payne Cave.

Xystosomus anterocostis Erwin, 1973:14.

HOLOTYPE: male, USNM #75331.

TYPE-LOCALITY: Costa Rica; Hamburg Farm at Reventazón.

X. microtretus Erwin, 1973:24.

HOLOTYPE: male, USNM #75332.

TYPE-LOCALITY: Costa Rica; Reventazón, Hamburg Farm.

X. nigripalpis Erwin, 1973:9.

HOLOTYPE: male, USNM #75333.

TYPE-LOCALITY: Panama; Canal Zone, Barro Colorado Island.

X. spangleri Erwin, 1973:23.

HOLOTYPE: male, USNM #75330.

TYPE-LOCALITY: Panama; 9 Miles West of Los Algarrobos (near Río San Pedro).

Zuphium magnum Schaeffer, 1910:396.

LECTOTYPE: female, USNM #42503, here selected.

TYPE-LOCALITY: USA; Texas, Brownsville.

NOTE: Probably described from a single specimen (cf. note on size by Schaeffer) but not so stated.

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LITERATURE NOTICE

Catalogue of the Coleoptera types in the Cornell University Insect Collection, by E. Richard Hoebeke. 1978. Search (Agriculture); Cornell Univ. Agr. Exp. Sta., Ithaca, N. Y., Vol. 8, No. 3, pp. 3-31.

1978 COLEOPTERISTS SOCIETY MEETING

The 1978 meeting of The Coleopterists Society will be held in conjunction with the annual meeting of the Entomological Society of America at Houston, Texas. Our meeting will be held at 7:30 p.m. on Wednesday, 29 November in the Mimosa Room of the Hyatt Regency Hotel.

Rather than a formal program or papers, we hope to hold general discussions of topics of interest. If you have suggestions or topics to be presented, please submit them as soon as possible. There is also a possibility of a field trip following the meeting, but plans are not yet definite.

The Executive Committee of the Society would welcome comments from the membership at any time. We hope that we can reflect the views of all our members and not just those fortunate enough to attend the annual meeting.

Robert E. Woodruff, President
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